

JSKN Solar Inverter with Controller System



> TECHNICAL PARAMETER

SPECIFICATION	MODEL	JSKN-500	JSKN-1000	JSKN-2000	JSKN-3000	JSKN-5000
Input Frequency Range(Hz)	Same as input frequency					
Input Current(A)		5.2A	8.0A	18.1A	27.3A	30.3A
Charge Current(A)	10A (20A optional)					
Transfer Time(ms)	≤10 ms					
Output voltage (VAC)	Same as input voltage					
Battery						
Battery built inside DC (V)		12V	12V/24V	24V/48V		48V
Battery type	Maintenance free Lead acid battery					
over charge protected voltage(VDC)		14.4±0.2V/28.8±0.2V		28.8±0.2V/57.6±0.2V		57.6±0.2V
over charge back voltage(VDC)		13.6±0.2V/ 27.2±0.2V		27.2±0.2V/ 54.4±0.2V		54.4±0.2V
over discharge protected voltage(VDC)		10.8±0.2V/ 21.6±0.2V		21.6±0.2V/ 43.2±0.2V		43.2±0.2V
Low Battery Alarm(VDC)		11.0±0.2V /22.0±0.2V		22.0±0.2V/44.0±0.2V		44.0±0.2V
Low Battery Comeback(VDC)		13.2±0.2V/ 26.4±0.2V		26.4±0.2V/52.8±0.2V		52.8±0.2V
High Battery Alarm(VDC)		14.4±0.2V/ 28.8±0.2V		28.8±0.2V/57.6±0.2V		57.6±0.2V
High Battery Back(VDC)		13.6±0.2V/ 27.2±0.2V		27.2±0.2V/ 54.4±0.2V		54.4±0.2V
High Battery Shut-down(VDC)		14.4±0.2V/ 28.8±0.2V		28.8±0.2V/57.6±0.2V		57.6±0.2V
OUTPUT (in battery mode)						
Output Power(W)		300	600	1200	1800	3000
Output Voltage(VAC)	AC 220V±5% (in battery mode)					
Output frequency(HZ)	50HZ±1% (in battery mode)					
Output Power factor	0.6					
output wave form	Pure sine wave					
overload & shortage protection	yes (Overload 110% · lasts 1 minutes after power shutdown)					
Output overload capacity	over load 150%, 1s later shutdown					
by pass transfer time(ms)	≤10ms					
Inverter Efficiency	>82%					
Output Voltage Dynamic Response	≤5%					
Transient Response Recovery Time	≤60mSec. (90% when Stable status)					
Solar Charge Features						
Solar Input Voltage Range(VDC)		25V/50VDC Max		50VDC Max.		100VDC Max.
Charge Current(A)	10A/20A/40A/60A/80A (optional, controller price will be extra added)					
Fast Charge Voltage(VDC)		14.2±0.2V/28.4±0.2V		28.4±0.2V/56.8±0.4V		56.8±0.2V
Float Charge Voltage(VDC)		13.8±0.2V/27.6±0.2V		27.6±0.2V/55.2±0.4V		55.2±0.2V
Overcharge Voltage Protection(VDC)		14.4±0.2V/28.8±0.2V		14.4±0.2V/28.8±0.2V		57.6±0.2V
Overcharge Voltage Comeback(VDC)		13.6±0.2V/27.2±0.2V		27.2±0.2V/54.4±0.2V		54.4±0.2V
PROTECTION						
Protection	overload/ overvoltage/ low battery/ low voltage/ Input low/ high voltage/ short current protection					
AMBIENT						
Noise(dB)	< 55dB (1 meter)					
working Temperature	-20℃~50℃					
Humidity	0~95% (no condensation)					
Sea Level(m)	≤1500					

> MAIN FUNCTION

- Micro Processor Control
- Automatic Line-to-Battery Switchover
- Large Charge Current Even Input Vol. is Low
- Overload, short circuit protection
- Overvoltage, Low voltage protection
- Rack case and light design
- High Efficient DC-to-AC conversion. minimizing energy loss
- Multi-function LED Display Design and buzzer alarms. LCD optional
- Wide input frequency range
- Intelligent Automatic Charging Technology
- Automatic charge while AC recovery
- Low battery protection
- Compatible with generators
- Application for Fan, light ,TV and office PC
- Wide input voltage range(Selectable Input Voltage Range)

